

**Flood Control Project Maintenance
Levee Inspections**

LMA District Cover Sheet

Spring 2011 Levee Inspection Results

Butte County Public Works

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Butte County Public Works

Waterway			Bank	Unit Miles
Unit No. 01 Mud Creek			Right	7.29
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/20/2011 - 4/20/2011			
DWR Inspector	Bob Duffey			
Accompanied By	Dave Herfi Butte Co.			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek								Right	7.29	04/20/2011 04/20/2011	Bob Duffey
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
1	1.75	1.75	Earthen Levee	Encroachments	LS	C	Prunings	39.746137 ° -121.923162 °	39.746137 ° -121.923162 °	2	
2	2.06	2.10	Earthen Levee	Encroachments	LS	CO	Fences	39.748330 ° -121.918685 °	39.748867 ° -121.918533 °	3 Y	
3	2.16	2.16	Earthen Levee	Encroachments	LS	CO	Buildings	39.749732 ° -121.918270 °	39.749732 ° -121.918270 °	24	
4	2.18	2.25	Earthen Levee	Encroachments	LS	PO	Fences	39.749917 ° -121.917738 °	39.753355 ° -121.922915 °	4	
5	2.83	2.83	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.757982 ° -121.912880 °	39.757982 ° -121.912880 °	29	
6	3.00	3.00	Earthen Levee	Encroachments	LS	M	Prunings	39.759755 ° -121.911160 °	39.759755 ° -121.911160 °	1 Y	
7	3.10	3.10	Earthen Levee	Encroachments	LS	M	Prunings	39.761085 ° -121.911048 °	39.761085 ° -121.911048 °	25	
8	3.22	3.22	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.762548 ° -121.909872 °	39.762547 ° -121.909868 °	6	
9	3.98	3.98	Earthen Levee	Encroachments	LS	M	Prunings	39.770351 ° -121.901349 °	39.770351 ° -121.901349 °	5	
10	4.21	4.21	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.772175 ° -121.897963 °	39.772175 ° -121.897963 °	7	
11	4.58	4.58	Earthen Levee	Encroachments	LS	M	Prunings	39.775908 ° -121.893947 °	39.775908 ° -121.893947 °	21	
12	4.92	4.92	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.780170 ° -121.891352 °	39.780170 ° -121.891352 °	8	
13	6.12	6.16	Earthen Levee	Trim / Thin Trees	LS		Trim trees to at least five feet above ground level.	39.793370 ° -121.887312 °	39.794052 ° -121.887125 °	9 Y	
14	6.24	6.28	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	39.794867 ° -121.886398 °	39.795157 ° -121.885893 °	10 Y	

*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	7.29	04/20/2011 04/20/2011	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	2.06
End Levee Mile	2.10
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the fences along the L/S toe.

rduffey_s_20110420_262.jpg



Levee Mile Report Line	6
Start Levee Mile	3.00
End Levee Mile	3.00
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the pruning pile along the L/S toe.

rduffey_s_20110420_263.jpg



Levee Mile Report Line	13
Start Levee Mile	6.12
End Levee Mile	6.16
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of the trees along the L/S toe.

rduffey_s_20110420_264.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	7.29	04/20/2011 04/20/2011	Bob Duffey

Levee Mile Report Line	14
Start Levee Mile	6.24
End Levee Mile	6.28
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

View of the trees along the L/S toe.

rduffey_s_20110420_265.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Butte County Public Works

Waterway			Bank	Unit Miles
Unit No. 02 Mud Creek			Left	8.20
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/20/2011 - 4/20/2011			
DWR Inspector	Bob Duffey			
Accompanied By	Dave Herfi Butte Co.			

Check one:

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(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

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Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek						Left	8.20	04/20/2011 04/20/2011	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	1.58	1.90	Earthen Levee	Encroachments	LS	CO	Fences	39.782773 ° -121.888178 °	39.778972 ° -121.891563 °	3 Y
2	4.46	4.46	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.752465 ° -121.914632 °	39.752465 ° -121.914632 °	1 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	8.20	04/20/2011 04/20/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	1.58
End Levee Mile	1.90
Location	Land Side
Category	Earthen Levee
Item	Encroachments
View of the fence along the landside toe of the levee.	
rduffey_s_20110228_062.jpg	



Levee Mile Report Line	2
Start Levee Mile	4.46
End Levee Mile	4.46
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of the rodents burrows along L/S slope.	
rduffey_s_20110420_266.jpg	

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Butte County Public Works

Waterway			Bank	Unit Miles
Unit No. 02A Channel Slough			Left	0.30
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/20/2011 - 4/20/2011			
DWR Inspector	Bob Duffey			
Accompanied By	Dave Herfi Butte Co.			

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough						Left	0.30	04/20/2011 04/20/2011	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.30	Earthen Levee	Vegetation	LS	A	Control annual grass and weeds on the levee slopes and easements.	39.734030 ° -121.929637 °	39.734030 ° -121.929637 °	1 Y

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.30	04/20/2011 04/20/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.30
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the clean levee.

rduffey_s_20110420_267.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Butte County Public Works

Waterway			Bank	Unit Miles
Unit No. 03 Sycamore and Sheep Hollow Creeks			Right	4.13
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/20/2011 - 4/20/2011			
DWR Inspector	Bob Duffey			
Accompanied By				

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks						Right	4.13	04/20/2011 04/20/2011	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.06	0.06	Earthen Levee	Slope Stability	WS	M	Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.786068 ° -121.881828 °	39.786068 ° -121.881828 °	3 Y
2	1.77	1.77	Earthen Levee	Vegetation	WS	A	Control annual grass and weeds on the levee slopes and easements.	39.779478 ° -121.853483 °	39.779478 ° -121.853483 °	1 Y

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.13	04/20/2011 04/20/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.06
End Levee Mile	0.06
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

View of the motorcycle erosion on the landside slope of the levee.

rduffey_s_20110228_063.jpg



Levee Mile Report Line	2
Start Levee Mile	1.77
End Levee Mile	1.77
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of levee clear of vegetation.

rduffey_s_20110421_268.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Butte County Public Works

Waterway			Bank	Unit Miles
Unit No. 04 Sycamore and Dry Creeks			Right	2.94
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/20/2011 - 4/20/2011			
DWR Inspector	Bob Duffey			
Accompanied By	Dave Herfi Butte Co.			

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks						Right	2.94	04/20/2011 04/20/2011	Bob Duffey

LMIR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.98	1.05	Earthen Levee	Encroachments	LS	CO	Fences	39.776013 ° -121.851175 °	39.776595 ° -121.852005 °	1 Y
2	1.16	1.27	Earthen Levee	Encroachments	LS	CO	Fences	39.776760 ° -121.854022 °	39.777650 ° -121.855687 °	3
3	1.32	1.40	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	39.778003 ° -121.856403 °	39.778378 ° -121.857953 °	2 Y
4	1.76	1.76	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.779195 ° -121.864435 °	39.779195 ° -121.864435 °	4 Y

*** Location**

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**** Rating**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.94	04/20/2011 04/20/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.98
End Levee Mile	1.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the fence and trees along the landside toe of the levee.

rduffey_s_20110228_064.jpg



Levee Mile Report Line	3
Start Levee Mile	1.32
End Levee Mile	1.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of AG ditch at the L/S toe.

rduffey_s_20110421_269.jpg



Levee Mile Report Line	4
Start Levee Mile	1.76
End Levee Mile	1.76
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of rodents burrows on the L/S slope.

rduffey_s_20110421_270.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2011 Levee Inspection Results

Butte County Public Works

Waterway			Bank	Unit Miles
Unit No. 05 Big Chico Diversion			Left	1.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/20/2011 - 4/20/2011			
DWR Inspector	Bob Duffey			
Accompanied By	Dave Herfi Butte Co.			

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Signature of LMA Representative

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Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	04/20/2011 04/20/2011	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.22	0.45	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	39.761921 ° -121.792929 °	39.761110 ° -121.796950 °	2 Y
2	0.22	0.45	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	39.761920 ° -121.792930 °	39.761110 ° -121.796951 °	1 Y

*** Location**

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CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected/Rated
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2011

Butte County Public Works

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Big Chico Diversion	Left	1.85	04/20/2011 04/20/2011	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.22
End Levee Mile	0.45
Location	Water Side
Category	Earthen Levee
Item	Vegetation

View of the noxious weeds on both slopes of the levee.

rduffey_s_20110228_065.jpg



Levee Mile Report Line	2
Start Levee Mile	0.22
End Levee Mile	0.45
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of vegetation on the slope & toe.

rduffey_s_20110421_271.jpg



*** Location**

LS : Landside
WS : Waterside
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
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